

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-195127

(43)Date of publication of application : 21.07.1999

(51)Int.Cl. G06T 9/20  
G06T 1/00  
H04N 7/18  
// G05D 1/02  
G08G 1/16

(21)Application number : 10-012098 (71)Applicant : SUZUKI MOTOR CORP

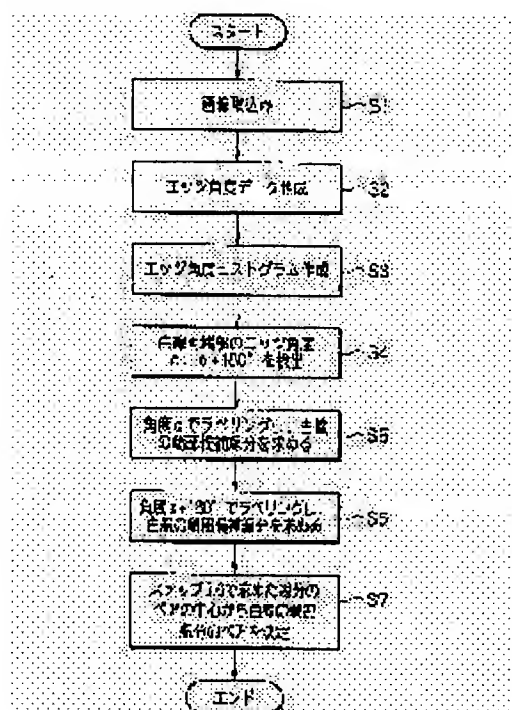
(22)Date of filing : 06.01.1998 (72)Inventor : MATSUSHITA MASAOKI

## (54) METHOD FOR RECOGNIZING WHITE LINE AND DEVICE THEREFOR

### (57)Abstract:

PROBLEM TO BE SOLVED: To satisfactorily recognize a white line area even when a shadow or the like is generated in a white line part, and a luminance difference is small.

SOLUTION: This method includes a picture inputting process for inputting a picture including a white line (a step S1), edge extracting process for extracting the luminance changing spot of an input picture inputted in this picture inputting process S1, edge angle calculating process for calculating the angle of the edge extracted in this edge extracting process (a step S2), pair edge extracting processes for extracting an edge whose angles make a pair calculated in the edge angle calculating process 82 from among the edges extracted by the edge extracting process (steps S3-S6), and white line judging process for judging an area surrounded by the edges extracted in the pair edge extracting processes S3-S6 as a white line (a step S7).



## LEGAL STATUS

[Date of request for examination]

07.04.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office